

WE CLAIM:

1. A computer program product for controlling a mobile data processing device to update malware definition data for a malware scanner of said mobile data processing device, said computer program product comprising:

(i) link establishing code operable to establish a wireless telephony link between said mobile data processing device and a public wireless telephony network;

(ii) update receiving code operable to receive malware definition updating data at said mobile data processing device via a data channel of said wireless telephony link; and

(iii) malware definition updating code operable to update malware definition data stored upon said mobile data processing device using said malware definition updating data.

2. A computer program product as claimed in claim 1, wherein said mobile data processing device is a mobile telephone.

3. A computer program product as claimed in claim 1, wherein said mobile data processing device is a personal digital assistant having a connection to said wireless public telephony network.

4. A computer program product as claimed in claim 1, wherein said malware definition updating data includes a digital signature and further comprising verifying code operable to verify said digital signal before using said malware definition updating data.

5. A computer program product as claimed in claim 1, wherein said public wireless telephone network is one of a CDMA network and a GSM network.

6. A computer program product as claimed in claim 1, wherein said data channel is also used for passing text messages.

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7. A computer program product as claimed in claim 6, wherein said text messages are SMS messages.

5 8. A computer program product as claimed in claim 1, wherein said step of transferring is initiated from a source of said malware definition updating data.

10 9. A computer program product as claimed in claim 1, wherein said data channel is open whenever said mobile data processing device is switched on and connected to said public wireless telephony network.

10 10. A computer program product for controlling a computer to initiate updating of malware definition data for a malware scanner of a mobile data processing device, said computer program product comprising:

15 (i) link establishing code operable to establish a wireless telephony link to said mobile data processing device via a public wireless telephony network; and

(ii) update sending code operable to send malware definition updating data to said mobile data processing device via a data channel of said wireless telephony link.

20 11. A computer program product as claimed in claim 10, wherein said mobile data processing device is a mobile telephone.

25 12. A computer program product as claimed in claim 10, wherein said mobile data processing device is a personal digital assistant having a connection to said wireless public telephony network.

13. A computer program product as claimed in claim 10, wherein said malware definition updating data includes a digital signature.

30 14. A computer program product as claimed in claim 10, wherein said public wireless telephone network is one of a CDMA network and a GSM network.

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15. A computer program product as claimed in claim 10, wherein said data channel is also used for passing text messages.

5 16. A computer program product as claimed in claim 15, wherein said text messages are SMS messages.

10 17. A computer program product as claimed in claim 10, wherein transfer of malware definition updating data is initiated from a source of said malware definition updating data.

18. A computer program product as claimed in claim 10, wherein said data channel is open whenever said mobile data processing device is switched on and connected to said public wireless telephony network.

15 19. A method of updating malware definition data for a malware scanner of a mobile data processing device, said method comprising the steps of:

(i) establishing a wireless telephony link between said mobile data processing device and a public wireless telephony network;

20 (ii) receiving malware definition updating data at said mobile data processing device via a data channel of said wireless telephony link; and

(iii) updating malware definition data stored upon said mobile data processing device using said malware definition updating data.

25 20. A method as claimed in claim 19, wherein said mobile data processing device is a mobile telephone.

21. A method as claimed in claim 19, wherein said mobile data processing device is a personal digital assistant having a connection to said wireless public telephony network.

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22. A method as claimed in claim 19, wherein said malware definition updating data includes a digital signature and further comprising the step of verifying said digital signal before using said malware definition updating data.

5 23. A method as claimed in claim 19, wherein said public wireless telephone network is one of a CDMA network and a GSM network.

24. A method as claimed in claim 19, wherein said data channel is also used for passing text messages.

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25. A method as claimed in claim 24, wherein said text messages are SMS messages.

15 26. A method as claimed in claim 19, wherein transfer of said malware definition updating data is initiated from a source of said malware definition updating data.

27. A method as claimed in claim 19, wherein said data channel is open whenever said mobile data processing device is switched on and connected to said public wireless telephony network.

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28. A method of updating malware definition data for a malware scanner of a mobile data processing device, said method comprising the steps of:

(i) establishing a wireless telephony link to said mobile data processing device via a public wireless telephony network; and

25 (ii) sending malware definition updating data to said mobile data processing device via a data channel of said wireless telephony link.

29. A method as claimed in claim 28, wherein said mobile data processing device is a mobile telephone.

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30. A method as claimed in claim 28, wherein said mobile data processing device is a personal digital assistant having a connection to said wireless public telephony network.

5 31. A method as claimed in claim 28, wherein said malware definition updating data includes a digital signature.

32. A method as claimed in claim 28, wherein said public wireless telephony network is one of a CDMA network and a GSM network.

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33. A method as claimed in claim 28, wherein said data channel is also used for passing text messages.

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34. A method as claimed in claim 33, wherein said text messages are SMS messages.

35. A method as claimed in claim 28, wherein transfer of said malware definition updating data is initiated from a source of said malware definition updating data.

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36. A method as claimed in claim 2, wherein said data channel is open whenever said mobile data processing device is switched on and connected to said public wireless telephony network.

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37. Apparatus for controlling a mobile data processing device to update malware definition data for a malware scanner of said mobile data processing device, said apparatus comprising:

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- (i) link establishing logic operable to establish a wireless telephony link between said mobile data processing device and a public wireless telephony network;
- (ii) update receiving logic operable to receive malware definition updating data at said mobile data processing device via a data channel of said wireless telephony link; and

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(iii) malware definition updating logic operable to update malware definition data stored upon said mobile data processing device using said malware definition updating data.

5 38. Apparatus as claimed in claim 37, wherein said mobile data processing device is a mobile telephone.

10 39. Apparatus as claimed in claim 37, wherein said mobile data processing device is a personal digital assistant having a connection to said wireless public telephony network.

15 40. Apparatus as claimed in claim 37, wherein said malware definition updating data includes a digital signature and further comprising verifying code operable to verify said digital signal before using said malware definition updating data.

41. Apparatus as claimed in claim 37, wherein said public wireless telephone network is one of a CDMA network and a GSM network.

20 42. Apparatus as claimed in claim 37, wherein said data channel is also used for passing text messages.

43. Apparatus as claimed in claim 42, wherein said text messages are SMS messages.

25 44. Apparatus as claimed in claim 37, wherein said step of transferring is initiated from a source of said malware definition updating data.

30 45. Apparatus as claimed in claim 37, wherein said data channel is open whenever said mobile data processing device is switched on and connected to said public wireless telephony network.

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46. Apparatus for controlling a computer to initiate updating of malware definition data for a malware scanner of a mobile data processing device, said apparatus comprising:

5 (i) link establishing logic operable to establish a wireless telephony link to said mobile data processing device via a public wireless telephony network; and

(ii) update sending logic operable to send malware definition updating data to said mobile data processing device via a data channel of said wireless telephony link.

10 47. Apparatus as claimed in claim 46, wherein said mobile data processing device is a mobile telephone.

48. Apparatus as claimed in claim 46, wherein said mobile data processing device is a personal digital assistant having a connection to said wireless public telephony
15 network.

49. Apparatus as claimed in claim 46, wherein said malware definition updating data includes a digital signature.

20 50. Apparatus as claimed in claim 46, wherein said public wireless telephone network is one of a CDMA network and a GSM network.

51. Apparatus as claimed in claim 46, wherein said data channel is also used for passing text messages.

25 52. Apparatus as claimed in claim 51, wherein said text messages are SMS messages.

30 53. Apparatus as claimed in claim 46, wherein transfer of malware definition updating data is initiated from a source of said malware definition updating data.

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54. Apparatus as claimed in claim 46, wherein said data channel is open whenever said mobile data processing device is switched on and connected to said public wireless telephony network.

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